

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Please delete paragraphs [12] and [13].

Please replace paragraph [39] with the following amended paragraph:

[39] To demonstrate existing oxidation desulfurization processes, a synthetic heavy naphtha was prepared by mixing the various components as shown in Table 1. The synthetic heavy naphtha contained no dienes, only olefins as unsaturates. A 250 ml sample of synthetic naphtha containing 202 ppm S was oxidized by adding an oxidizing solution containing 1.714 ml of 35 wt% hydrogen peroxide and 50.5 ml formic acid 96 wt%. The mixture of naphtha and oxidizing solution was placed in an autoclave at 90 °C and stirred for 30 minutes. 20 psi of Argon is added at ambient temperature to the autoclave and the mixture is normally maintained at about 40 to about 60 psi, but is dependent on the boiling range of the feed. After analysis, the oxidative desulfurization essentially removed 90% of the total sulfur. ~~Figure 3a shows a GC/SCD chromatogram of the~~ The sulfur content of the initial feed ~~containing~~ contained 202 PPM S. ~~Figure 3b shows a GC/SCD chromatogram of the~~ The product after the oxidation reaction ~~having had~~ a total sulfur content of 18 PPM. The 18 PPM of sulfur were split into 9 PPM of non oxidized sulfur compounds and 9 PPM of oxidized sulfur compounds. Little or no further sulfur separation was necessary since the oxidized sulfur compounds were removed fairly easily using alumina and the product had 9 PPM sulfur which is quite low. The hydrocarbon content, including the 1-decene, was unchanged.